



CmPT/a

SEQUENCE LISTING

<110> Matzuk, Martin
Wang, Pei

<120> Ovary-Specific Genes and Proteins

<130> HO-P01925US2/09807797

<140> US 09/844,864

<141> 2001-04-27

<150> PCT/US99/025209

<151> 1999-10-28

<150> US 60/106,020

<151> 1998-10-28

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<170> PatentIn version 3.1

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<212> DNA

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35 40 45

Glu Tyr Val Asp Ser His Gln Arg Ala Gln Leu Met Ala Leu Leu Ser
50 55 60

Arg Met Gly Pro Arg Ser Val Ser Ser Arg Asp Ala Ala Val Gln Val
65 70 75 80

Asn Pro Arg Arg Asp Ala Ser Val Gln Cys Ser Leu Gly Arg Arg Thr
85 90 95

Leu Gln Pro Ala Gly Cys Arg Ala Ser Pro Asp Ala Arg Ser Gly Ser
100 105 110

Cys Gln Pro Arg Gly His Ala Gly Ala Gly Arg Ser Pro Arg Ser Trp
115 120 125

Gln Thr Val Ala Pro Phe Ser Ser Val Thr Phe Cys Gly Leu Ser Ser
130 135 140

Ser Leu Glu Val Ala Gly Gly Arg Gln Thr Pro Thr Lys Gly Glu Gly
145 150 155 160

Ser Pro Ala Ser Ser Gly Thr Arg Glu Pro Glu Pro Arg Glu Val Ala
165 170 175

Ala Arg Lys Ala Val Pro Gln Pro Arg Ser Glu Glu Gly Asp Val Gln
 180 185 190

Ala Ala Gly Gln Ala Gly Trp Glu Gln Gln Pro Pro Pro Glu Asp Arg
 195 200 205

Asn Ser Val Ala Ala Met Gln Ser Glu Pro Gly Ser Glu Glu Pro Cys
 210 215 220

Pro Ala Ala Glu Met Ala Gln Asp Pro Gly Asp Ser Asp Ala Pro Arg
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Asp Gln Ala Ser Pro Gln Ser Thr Glu Gln Asp Lys Glu Arg Leu Arg
 245 250 255

Phe Gln Phe Leu Glu Gln Lys Tyr Gly Tyr Tyr His Cys Lys Asp Cys
 260 265 270

Lys Ile Arg Trp Glu Ser Ala Tyr Val Trp Cys Val Gln Gly Thr Ser
 275 280 285

Lys Val Tyr Phe Lys Gln Phe Cys Arg Val Cys Glu Lys Ser Tyr Asn
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Pro Tyr Arg Val Glu Asp Ile Thr Cys Gln Ser Cys Lys Arg Thr Arg
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Cys Ala Cys Pro Val Arg Phe Arg His Val Asp Pro Lys Arg Pro His
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<213> Mus musculus

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35 40 45

Leu Pro Gln Ser Leu Phe Pro Val Ile Phe Glu Glu Ala Phe Thr Asp
50 55 60

Gly Tyr Ile Gly Ile Leu Lys Ala Met Ile Pro Val Trp Pro Phe Pro
65 70 75 80

Tyr Leu Ser Leu Gly Lys Gln Ile Asn Asn Cys Asn Leu Glu Thr Leu
85 90 95

Lys Ala Met Leu Glu Gly Leu Asp Ile Leu Leu Ala Gln Lys Val Gln
100 105 110

Thr Ser Arg Cys Lys Leu Arg Val Ile Asn Trp Arg Glu Asp Asp Leu
115 120 125

Lys Ile Trp Ala Gly Ser His Glu Gly Glu Gly Leu Pro Asp Phe Arg
130 135 140

Thr Glu Lys Gln Pro Ile Glu Asn Ser Ala Gly Cys Glu Val Lys Lys
145 150 155 160

Glu Leu Lys Val Thr Thr Glu Val Leu Arg Met Lys Gly Arg Leu Asp
165 170 175

Glu Ser Thr Thr Tyr Leu Leu Gln Trp Ala Gln Gln Arg Lys Asp Ser
180 185 190

Ile His Leu Phe Cys Arg Lys Leu Leu Ile Glu Gly Leu Thr Lys Ala
195 200 205

Ser Val Ile Glu Ile Phe Lys Thr Val His Ala Asp Cys Ile Gln Glu
210 215 220

Leu Ile Leu Arg Cys Ile Cys Ile Glu Glu Leu Ala Phe Leu Asn Pro

225

230

235

240

Tyr Leu Lys Leu Met Lys Ser Leu Phe Thr Leu Thr Leu Asp His Ile
 245 250 255

Ile Gly Thr Phe Ser Leu Gly Asp Ser Glu Lys Leu Asp Glu Glu Thr
 260 265 270

Ile Phe Ser Leu Ile Ser Gln Leu Pro Thr Leu His Cys Leu Gln Lys
 275 280 285

Leu Tyr Val Asn Asp Val Pro Phe Ile Lys Gly Asn Leu Lys Glu Tyr
 290 295 300

Leu Arg Cys Leu Lys Lys Pro Leu Glu Thr Leu Cys Ile Ser Asn Cys
 305 310 315 320

Asp Leu Ser Gln Ser Asp Leu Asp Cys Leu Pro Tyr Cys Leu Asn Ile
 325 330 335

Cys Glu Leu Lys His Leu His Ile Ser Asp Ile Tyr Leu Cys Asp Leu
 340 345 350

Leu Leu Glu Pro Leu Gly Phe Leu Leu Glu Arg Val Gly Asp Thr Leu
 355 360 365

Lys Thr Leu Glu Leu Asp Ser Cys Cys Ile Val Asp Phe Gln Phe Ser
 370 375 380

Ala Leu Leu Pro Ala Leu Ser Gln Cys Ser His Leu Arg Glu Val Thr
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Phe Tyr Asp Asn Asp Val Ser Leu Pro Phe Leu Lys Thr Thr Ser Thr
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Pro His Ser Pro Ala Glu Ser Ala Asp Leu
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Arg Gly Gln Gly Glu Lys Lys Asp Ser Cys Lys Leu Leu Leu Ser Thr
35 40 45

Ile Cys Leu Gly Glu Lys Ala Lys Glu Glu Val Asn Arg Val Glu Val
50 55 60

Leu Ser Gln Glu Gly Arg Lys Pro Pro Ile Thr Ile Ala Thr Leu Lys
65 70 75 80

Ala Ser Val Leu Pro Met Val Thr Val Ser Gly Ile Glu Leu Ser Pro
85 90 95

Pro Val Thr Phe Arg Leu Arg Thr Gly Ser Gly Pro Val Phe Leu Ser
 100 105 110

Gly Leu Glu Cys Tyr Glu Thr Ser Asp Leu Thr Trp Glu Asp Asp Glu
 115 120 125

Glu Glu Glu Glu Glu Glu Glu Glu Asp Glu Asp Glu Asp Ala Asp
 130 135 140

Ile Ser Leu Glu Glu Ile Pro Val Lys Gln Val Lys Arg Val Ala Pro
 145 150 155 160

Gln Lys Gln Met Ser Ile Ala Lys Lys Lys Lys Val Glu Lys Glu Glu
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Asp Glu Thr Val Val Arg Pro Ser Pro Gln Asp Lys Ser Pro Trp Lys
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Lys Glu Lys Ser Thr Pro Arg Ala Lys Lys Pro Val Thr Lys Lys
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 aa 182

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 gaag 64

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 <212> DNA
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<400> 17

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 35 40 45

Ile Cys Leu Gly Glu Lys Ala Lys Glu Glu Met His Arg Val Glu Ile
 50 55 60

Leu Pro Pro Ala Asn Gln Glu Asp Lys Lys Met Gln Pro Val Thr Ile
 65 70 75 80

Ala Ser Leu Gln Ala Ser Val Leu Pro Met Val Ser Met Val Gly Val
 85 90 95

Gln Leu Ser Pro Pro Val Thr Phe Gln Leu Arg Ala Gly Ser Gly Pro
 100 105 110

Val Phe Leu Ser Gly Gln Glu Arg Tyr Glu Ala Ser Asp Leu Thr Trp
 115 120 125

Glu Glu Glu Glu Glu Glu Glu Gly Glu Glu Glu Glu Glu Glu Glu
 130 135 140

Asp Asp Glu Asp Glu Asp Ala Asp Ile Ser Leu Glu Glu Gln Ser Pro
 145 150 155 160

Val Lys Gln Val Lys Arg Leu Val Pro Gln Lys Gln Ala Ser Val Ala
 165 170 175

Lys Lys Lys Lys Leu Glu Lys Glu Glu Glu Glu Ile Arg Ala Ser Val
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Lys Pro Gly Phe Lys Lys
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809

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<210> 24
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<212> DNA
<213> Mus musculus

<400> 24
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<210> 25
<211> 375
<212> DNA
<213> Mus musculus

<400> 25
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acctcgccac gtgtacctta gacgccccca tcagcaagac ttgtgtgaga gatgcaagga 180
caaacgcctg tcctgcgaca gcaccgtcag cttcaaatac atgatttagt gagagtcgaa 240
aacgtttctg ctagatgggg ctaatggaat ggacaagtga gctttctccc ctcttcacct 300
cttcccttcc caaattcttc atgacagaca gtgttacttg gatataaagc ctgtgaataa 360
aaggtattgc aaaca 375

<210> 26
<211> 9
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)..(1)
<223> N equals C or A

<220>
<221> misc_feature

<222> (6)..(6)
<223> R equals purine

<400> 26
naggtragt

9

<210> 27
<211> 15
<212> DNA
<213> Mus musculus

<220>
<221> misc_feature
<222> (1)..(10)
<223> Y equals Pyrimidine

<220>
<221> misc_feature
<222> (11)..(11)
<223> N equals any nucleotide

<400> 27
YYYYYYYYYY ncagg

15

<210> 28
<211> 27
<212> DNA
<213> Mus musculus

<400> 28
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27

<210> 29
<211> 27
<212> DNA
<213> Mus musculus

<400> 29
cctgatcatg caaatTTtat tgtggcc

27

<210> 30
<211> 24
<212> DNA
<213> Mus musculus

<400> 30
ctagaaaagg ggactgtagt cact

24

<210> 31
<211> 24
<212> DNA
<213> Mus musculus

<400> 31
tgcatctccc acacaagtct tgcc

24

<210> 32
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<213> Mus musculus

<400> 32
ctagaaaagg ggactatagg cacc

24

<210> 33
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<212> DNA
<213> Mus musculus

<400> 33
tgcatctctc acacaagtgt tgct

24

<210> 34
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<212> PRT
<213> Mus musculus

<400> 34

Lys Arg Pro His Arg Gln Asp Leu Cys Gly Arg Cys Lys Asp Lys Arg
1 5 10 15

Leu Ser